

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D 26 SEP 2005

PCT

Applicant's or agent's file reference 09704.0-02	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/US04/23864	International filing date (day/month/year) 26 July 2004 (26.07.2004)	Priority date (day/month/year) 25 July 2003 (25.07.2003)	
International Patent Classification (IPC) or national classification and IPC IPC(7): D01D 5/098; D01F 9/145; D04H 3/03, 3/16 and US Cl.: 264/103, 211.11, 211.14, 555; 425/72.2, 382.2, 404, 464			
Applicant CONOCOPHILLIPS COMPANY			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of ___ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 25 May 2005 (25.05.2005)		Date of completion of this report 08 September 2005 (08.09.2005)	
Name and mailing address of the IPEA/ US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Leo B. Tentoni Jean Proctor Patricia Spindler Telephone No. (571) 272-1700	

Form PCT/IPEA/409 (cover sheet)(April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/US04/23864

Box No. I Basis of the report

1. With regard to the language, this report is based on:

- ☒ the international application in the language in which it was filed.
- ☐ a translation of the international application into English, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4(a))
- ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

- ☒ the international application as originally filed/furnished
- ☒ the description:
 pages 1-10 as originally filed/furnished
 pages* NONE received by this Authority on _____
 pages* NONE received by this Authority on _____
- ☒ the claims:
 pages 11-14 as originally filed/furnished
 pages* NONE as amended (together with any statement) under Article 19
 pages* NONE received by this Authority on _____
 pages* NONE received by this Authority on _____
- ☒ the drawings:
 pages 1-5 as originally filed/furnished
 pages* NONE received by this Authority on _____
 pages* NONE received by this Authority on _____

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/US04/23864**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Claims <u>5-7, 9, 13, 16, 17, 24-28</u>	YES
	Claims <u>1-4, 8, 10-12, 14, 15, 18-23</u>	NO
Inventive Step (IS)	Claims <u>NONE</u>	YES
	Claims <u>1-28</u>	NO
Industrial Applicability (IA)	Claims <u>1-28</u>	YES
	Claims <u>NONE</u>	NO

2. Citations and Explanations (Rule 70.7)

Claims 1-4, 8, 10-12, 14, 15 and 18-23 lack novelty under PCT Article 33(2) as being anticipated by Geus et al (U.S. Patent 5,766,646 A). Geus et al (see the entire document, in particular, col. 1, line 66 to col. 2, line 57) teach a process of, and apparatus for, making a fiber batt from blow spun filaments including a spinning die, a gas stream flowing in a venture, a diffuser located downstream and contiguous to the venture and having gas exhaust ports, means for controlling the quantity of exhausted gas and a surface for collecting the fibers.

Claims 5, 9, 13, 16, 17 and 24-28 lack an inventive step under PCT Article 33(3) as being obvious over Geus et al (U.S. Patent 5,766,646 A). Geus et al (see the entire document, in particular, col. 1, line 66 to col. 2, line 57) teach a process of, and apparatus for, making a fiber batt from blow spun filaments, and these claimed aspects would have been obvious to one of ordinary skill in the art at the time the invention was made in Geus et al principally in order to produce a fiber batt having uniform density.

Claims 6 and 7 lack an inventive step under PCT Article 33(3) as being obvious over Geus et al (U.S. Patent 5,766,646 A) in view of Rodgers et al (WO 96/35009 A1). Rodgers et al (see the entire document, in particular, page 7, lines 14-22; claims 1-22; Figure 1) teach a process of, and apparatus for, making a fiber batt from blow spun filaments, including a carbonaceous (e.g., solvated mesophase) pitch, and such would have been obvious to one of ordinary skill in the art at the time the invention was made in Geus et al in view of Rodgers et al principally in order to produce a fiber batt having desired characteristics and/or properties.

Claims 1-28 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

----- NEW CITATIONS -----